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FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
07/01/2003	Anthony M. Chiu	02-C-088	5204	
590 07/13/2004		EXAMINER		
ECTRONICS, INC.		BERRY, RENEE R		
N 2346 ONICS DRIVE		ART UNIT	PAPER NUMBER	
CARROLLTON, TX 75006		2818		
	07/01/2003 690 07/13/2004 ECTRONICS, INC. N 2346 ONICS DRIVE	07/01/2003 Anthony M. Chiu  690 07/13/2004  ECTRONICS, INC. 6N 2346  ONICS DRIVE	07/01/2003 Anthony M. Chiu 02-C-088  90 07/13/2004 EXAM  ECTRONICS, INC.  DN 2346  ONICS DRIVE ART UNIT	

DATE MAILED: 07/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/611,578	CHIU, ANTHONY M.
Office Action Summary	Examiner	Art Unit
	Renee R Berry	2818
The MAILING DATE of this communication ap Period for Reply	pears on the cover she t with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.  after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tin ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 15 A	Anril 2004	
	s action is non-final.	
3) Since this application is in condition for allowed closed in accordance with the practice under a	nce except for formal matters, pro	
Disposition of Claims		
4) ☐ Claim(s) 1-22 is/are pending in the application 4a) Of the above claim(s) 7-22 is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-6 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	n from consideration.	
Application Papers		
9) The specification is objected to by the Examine	er.	
10)☐ The drawing(s) filed on is/are: a)☐ acc	cepted or b) objected to by the	Examiner.
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E		
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority application from the International Burea	ts have been received. ts have been received in Applicati prity documents have been receive	ion No
* See the attached detailed Office action for a list		ed.
		•
Attachment(s)	C	(070, 440)
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) La Interview Summary Paper No(s)/Mail D	
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date		Patent Application (PTO-152)

## **DETAILED ACTION**

## Election/Restrictions

Applicant's election with traverse of Group I in the reply filed on April 15, 2004 is acknowledged.

Claims 7-22 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on April 15, 2004.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Patent No. 6,478,212 to Engel.

In regards to claim 1, Engel teaches a method for fabricating a structure for receiving a wire bond, said method comprising the steps of: fabricating a substrate material having portions that form a substrate cavity within said substrate material; filling said substrate cavity with portions of a wire bond pad to form a wire bond cavity in said

Application/Control Number: 10/611,578

Art Unit: 2818

wire bond pad; and covering edge portions of said wire bond pad with passivation material at column 5, lines 18-25.

In regards to claim 2, Engel teaches the method as set forth in claim 1 further comprising the step fabricating said wire bond cavity with portions that form at least one side of said wire bond cavity at column 5, lines 18-25.

In regards to claim 3, Engel teaches the method as set forth in claim 1 further comprising the step of fabricating said wire bond cavity with portions that form a wire bond cavity having a cross sectional shape that is one of: circular, oval, square, rectangular and irregular at column 5, lines 33-34 and 40-44.

In regards to claim 4, Engel teaches a method of wirebonding a wire to a structure for receiving a wire bond, said method comprising the steps of: fabricating substrate material having portions that form substrate cavity within said substrate material; filling said substrate cavity with portions of a wire bond pad to form a wire bond cavity in said wire bond pad; covering edge portions said wire bond pad with passivation material; and wirebonding a ball on an end of said wire to said wire bond cavity at column 4, lines 46-58.

In regards to claim 5, Engel teaches the method as set the step of: fabricating said wire bond cavity with portions that form at least one side of said wire bond cavity at column 4, lines 60-64.

In regards to claim 6, Engel teaches the method as set forth in claim 4 further comprising the step of: fabricating said wire bond cavity with portions that form a wire

Application/Control Number: 10/611,578

Art Unit: 2818

bond cavity having a cross sectional shape that is one of: circular, oval, square,

rectangular and irregular at column 4, lines 19-30.

**Conclusion** 

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Renee R Berry whose telephone number is (571) 272-

1774. The examiner can normally be reached on M-F 9-5:30.

The fax phone number for the organization where this application or proceeding

is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

RRB

June 20, 2004

Ment

David Nelms

Supervisory Patent Examiner

Page 4

Technology Center 2800